
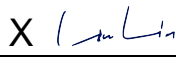



<b>Prüfbericht-Nr.:</b> <i>Test report no.:</i>	<b>CN25D2HQ 004</b>	<b>Auftrags-Nr.:</b> <i>Order no.:</i>	168549449	Seite 1 von 21 Page 1 of 21
<b>Kunden-Referenz-Nr.:</b> <i>Client reference no.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	2025-04-15	
<b>Auftraggeber:</b> <i>Client:</i>	Lumi United Technology Co., Ltd. Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China			
<b>Prüfgegenstand:</b> <i>Test item:</i>	Smart Lock U400			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type no.:</i>	DL-D06E, DL-D16E, DL-D06D, DL-D16D, DL-D17D, DL-D15D			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Test Report			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	EN 302 065-1 V2.1.1 EN 62479:2010			
<b>Wareneingangsdatum:</b> <i>Date of sample receipt:</i>	2025-05-10			
<b>Prüfmuster-Nr.:</b> <i>Test sample no.:</i>	GJWSZ2025-0230			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	2025-05-10 - 2025-06-09			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Refer to section 2.1			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von:</b> <i>tested by:</i>	X  Lin Lin	<b>genehmigt von:</b> <i>authorized by:</i>	X  Andy Yan	
<b>Datum:</b> <i>Date:</i>	2025-06-12	<b>Ausstellungsdatum:</b> <i>Issue date:</i>	2025-06-12	
<b>Stellung / Position:</b>	Sachverständige(r)/Expert	<b>Stellung / Position:</b>	Sachverständige(r)/Expert	
<b>Sonstiges /</b> <i>Other:</i>	This report is for Radio Spectrum and Health of UWB requirements.			
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

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Test report no.:

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**Anmerkungen**  
Remarks

1	<p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>
2	<p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: <a href="http://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></i></p>
3	<p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>
4	<p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>

## Test Summary

**5.1.1 OPERATING BANDWIDTH**

RESULT: Pass

**5.1.2 MAXIMUM VALUE OF MEAN POWER SPECTRAL DENSITY**

RESULT: Pass

**5.1.3 MAXIMUM VALUE OF PEAK POWER**

RESULT: Pass

**5.1.4 OTHER EMISSIONS**

RESULT: Pass

**5.1.5 RECEIVER SPURIOUS EMISSIONS**

RESULT: Pass

**5.1.6 RECEIVER INTERFERENCE HANDLING**

RESULT: Pass

**5.1.7 DETECT AND AVOID (DAA)**

RESULT: Not Applicable

**5.1.8 LOW DUTY CYCLE (LDC)**

RESULT: Not Applicable

**5.2.1 HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS**

RESULT: Pass

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## **1 General Remarks**

### **1.1 Complementary Materials**

All attachments are integral parts of this test report. This applies especially to the following appendix:  
Appendix A: Test Results.

## 2 Test Sites

### 2.1 Test Facilities

**CVC Testing Technology (Shenzhen) Co., Ltd.**

No.1301-14 & 16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

CNAS Registration Number: L16091

### 2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radiation Spurious					
Spectrum Analyzer	R&S	FSV 40	CS030001	1 year	2026/05/16
Spectrum Analyzer	R&S	FSVA 3045	CS030004	1 year	2025/05/22
EMI Test Receiver	R&S	ESR3	CS0300005	1 year	2025/05/24
Horn antenna(1GHz-18GHz)	ETS-Lindgren	3117	CS0300007	1 year	2026/03/28
Horn antenna(18GHz-40GHz)	STEATITE	QMS-00880	CS0300008	1 year	2026/03/21
Automatic control unit(RSE)	R&S	OSP220	CS0300019	1 year	2025/07/02
Filter group(RSE-BT/WiFi)	R&S	WiFi/BT Variant 1	CS0300020	1 year	2026/04/22
Filter group(RSE-Cellular)	R&S	Cellular Variant 1	CS0300021	1 year	2026/04/22
Preamplifier(1GHz-18GHz)	R&S	SCU18F	CS0300031-1	1 year	2026/04/22
Preamplifier(1GHz-18GHz)	R&S	SCU-18F	CS0300031	1 year	2026/04/22
Comprehensive Test Instrument	R&S	CMW 500	CS0300033	1 year	2025/05/24
Antenna(30MHz~1001MHz)	SCHWARZBECK	VULB9168	CS0200006	1 year	2026/01/22
Preamplifier(1GHz-18GHz)	R&S	SCU-01F	CS0200042	1 year	2026/04/22
Preamplifier(18GHz-40GHz)	R&S	SCU40A	CS0200044	1 year	2026/04/22
Attenuator	boyang	BY--N-2W-5dB	/	1 year	2026/01/22
Temperature and humidity meter	yuhuaize	/	WK0001	1 year	2026/04/28
#2 control room	MORI	433	CS0300028	3 year	2026/05/16
3m anechoic chamber	MORI	966	CS0300011	3 year	2026/05/16

## 2.3 Uncertainty of Measurement

Table 2: Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conducted emission test	+/-2.7 dB
2	Radiated emission 9kHz-30MHz	+/-5.6 dB
3	Radiated emission 30MHz-1GHz	+/-4.6 dB
4	Radiated emission 1GHz-18GHz	+/-4.4 dB
5	Radiated emission 18GHz-40GHz	+/-5.1 dB
6	RF power	+/-0.9 dB
7	Power Spectral Density	+/-0.8 dB
8	Conducted spurious emissions	+/-2.7 dB
9	Transmission Time	+/-0.27%
10	Occupied Bandwidth	+/-1.86%
Remark: 95% Confidence Levels, k=2.		

### 3 General Product Information

#### 3.1 Product Function and Intended Use

The Product is Smart Lock U400 which supports Bluetooth low energy, Thread, NFC and UWB functions.

Product difference description

Smart Lock U400	Version 1	Version 2	Version 3	Version 4	Version 5	Version 6
Model	DL-D06E	DL-D16E	DL-D06D	DL-D16D	DL-D17D	DL-D15D
Color	Black	Silver	Black	Silver	Shadow Black	Satin Nickel
Finishing	Matte (Spray Coating)		Matte (Spray Coating)		Brushed (Electroplating)	
Package content difference	Li-ion Battery × 1		Li-ion Battery × 1 + Hub M100 × 1		Li-ion Battery × 2	
External Panel						
Shape	Curved		Flat		Flat	
Main Body Material	Aluminium		Aluminium		Zinc	
Gliding Plate Material	Aluminium		Zinc		Zinc	
Keypad Material	PC + PET		PMMA		PMMA	
Internal Panel						
Main Body Material	Plastic					
Knob	Aluminium		Aluminium		Zinc	

For details refer to the User Manual, Technical Description and Circuit Diagram.

#### 3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Smart Lock U400
Type Designation:	DL-D06E, DL-D16E, DL-D06D, DL-D16D, DL-D17D, DL-D15D Note1: The differences between the products refer to above table. Note2: Select model DL-D06E as the main test model.
Operating Voltage:	Battery operated (7.3Vdc, 4880mAh) or USB-C operated (5V)
Operating Temperature Range:	-35 °C ~ +66 °C
Technical Specification of EUT	Value
Assigned Band:	6GHz to 9GHz
Operation Frequency Range:	7.75GHz to 8.25GHz
Operation Frequency:	7987.2MHz
Operation Channel:	CH9
Type of Modulation:	BPSK Pulsed modulation
Antenna Type:	Integral antenna
Antenna Gain:	3.5 dBi for Outer Panel UWB 3.5 dBi for Inner Panel UWB (Provided by the Client)

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

#### 3.3 Independent Operation Modes

The basic operation modes are:

- A. Tx mode
- B. Rx mode



C. Off

### **3.4 Noise Generating and Noise Suppressing Parts**

For details refer to the Circuit Diagram.

### **3.5 Submitted Documents**

- |                         |                 |
|-------------------------|-----------------|
| - Application Form      | - User Manual   |
| - Operation Description | - Block Diagram |
| - PCB Layout            | - Rating Label  |

## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 6.  
According to clause 3.1, all tests were performed on model *DL-D06E* in this report.

### 4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Laptop	HUAWEI	Matebook D14	Supplied by Lab
Adapter	Fangxin	FX2U-050150U	Supplied by Lab

### 4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

## 5 Test Results ERM

### 5.1 Radio Requirement & Test Suites

#### 5.1.1 Operating Bandwidth

**RESULT:****Pass****Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.3.1
Limit	: EN 302 065-1 V2.1.1, Clause 4.3.1.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.3.1.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 24.6 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: **CN25D2HQ 004**  
Test Report No.:Seite 12 von 21  
Page 12 of 21**5.1.2 Maximum Value of Mean Power Spectral Density****RESULT:****Pass****Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.3.2
Limit	: EN 302 065-1 V2.1.1, Clause 4.3.2.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.3.2.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 58 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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### 5.1.3 Maximum value of peak power

**RESULT:**

**Pass**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.3.3
Limit	: EN 302 065-1 V2.1.1, Clause 4.3.3.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.3.3.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 58 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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#### 5.1.4 Other Emissions

**RESULT:**

**Pass**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.3.6
Limit	: EN 302 065-1 V2.1.1, Clause 4.3.6.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.3.6.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 58 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

#### 5.1.5 Receiver spurious emissions

**RESULT:**

**Pass**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.4.2
Limit	: EN 302 065-1 V2.1.1, Clause 4.4.2.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.4.2.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 58 %
Atmospheric pressure	: 100~103 kPa

For the measurement records, refer to the appendix A.

#### 5.1.6 Receiver interference handling

**RESULT:**

**Pass**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.4.3
Limit	: EN 302 065-1 V2.1.1, Clause 4.4.3.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.4.3.4

**Test Setup**

Date of testing	: 2025-05-17
Test voltage	: Battery operated (7.3Vdc)
Test environment	: Normal test conditions
Operation mode	: A
Ambient temperature	: 22 °C
Relative humidity	: 58 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.



#### 5.1.7 Detect and Avoid (DAA)

**RESULT:**

**Not Applicable**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.5.1
Limit	: EN 302 065-1 V2.1.1, Clause 4.5.1.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.5.1.4

Note1: Applies only to equipment operating in the frequency band 3,1 GHz to 4,8 GHz and/or 8,5 GHz to 9 GHz and having DAA.

Note2: The product operating frequency band is 6,0 GHz to 9 GHz as without DAA functions.

#### 5.1.8 Low Duty Cycle (LDC)

**RESULT:**

**Not Applicable**

**Test Specification**

Test standard	: EN 302 065-1 V2.1.1
Test requirement	: EN 302 065-1 V2.1.1, Clause 4.5.3
Limit	: EN 302 065-1 V2.1.1, Clause 4.5.3.3
Test suites	: EN 302 065-1 V2.1.1, Clause 4.5.3.4

Note1: Applies only to equipment with LDC implemented in the frequency range: 3,1 GHz to 4,8 GHz.

Note2: The product operating frequency band is 6,0 GHz to 9 GHz.

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## 5.2 Safety Human exposure

### 5.2.1 Human Exposure to Electromagnetic Fields

**RESULT:**

**Pass**

**Test Specification**

Test standard : EN 62479: 2010

**UWB:** The maximum measured peak power of EUT is only -34.14 dBm.

According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

## 6 Photographs of the Test Set-Up

Photograph 1: Set-up for Transmitter and Receiver Emissions



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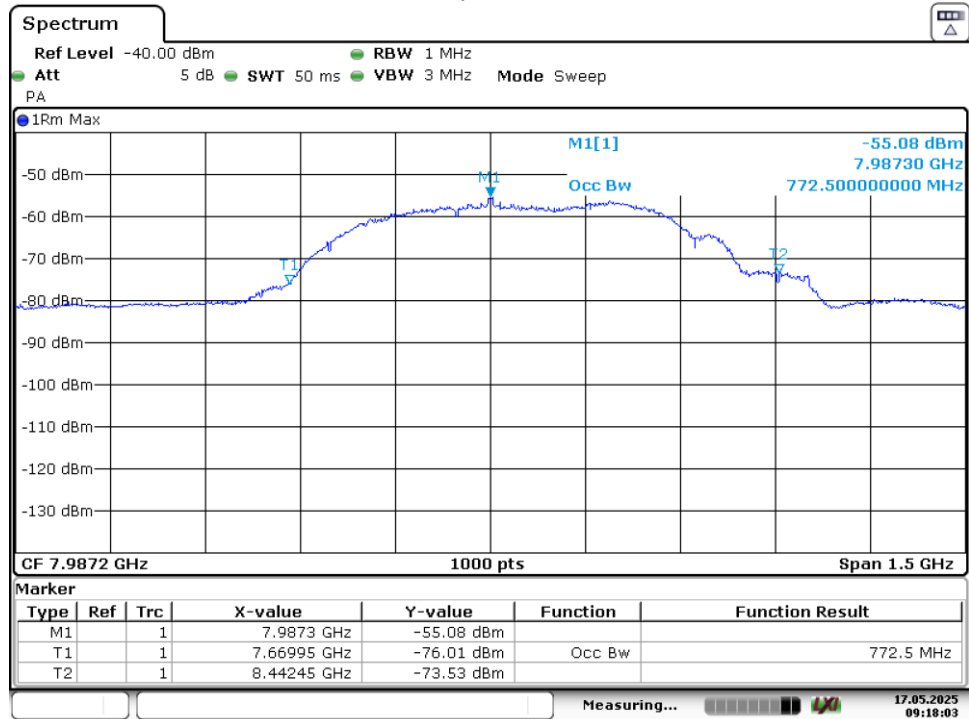
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## Appendix A: Test Results of UWB

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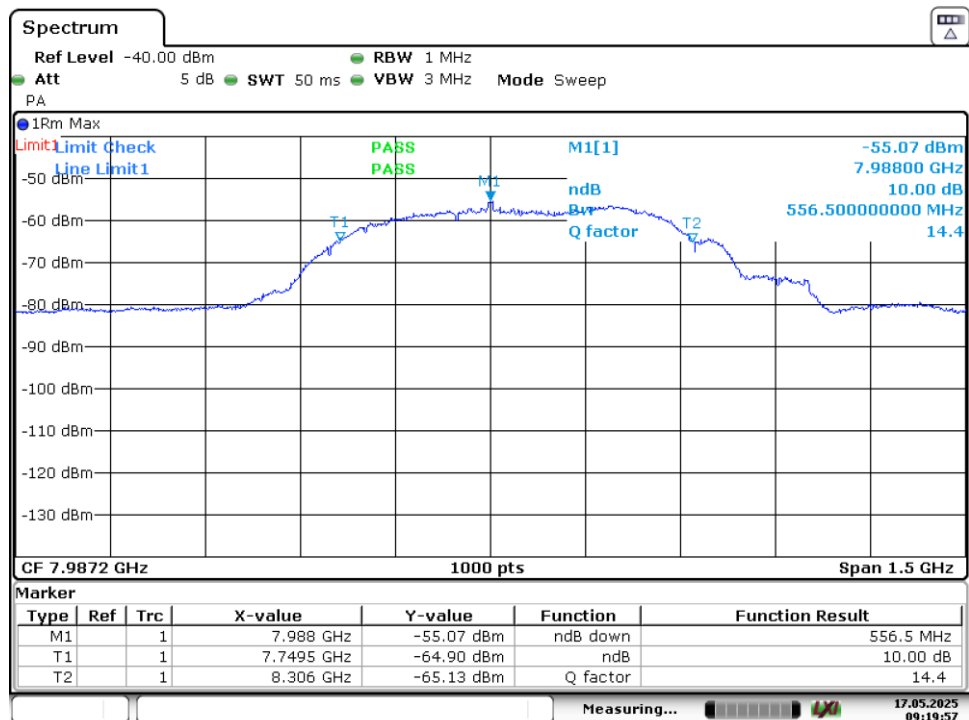
## Appendix A.1: Test Results of Operating Bandwidth

### 99% Occupied Bandwidth



Date: 17.MAY.2025 09:18:03

### -10dBc Occupied Bandwidth



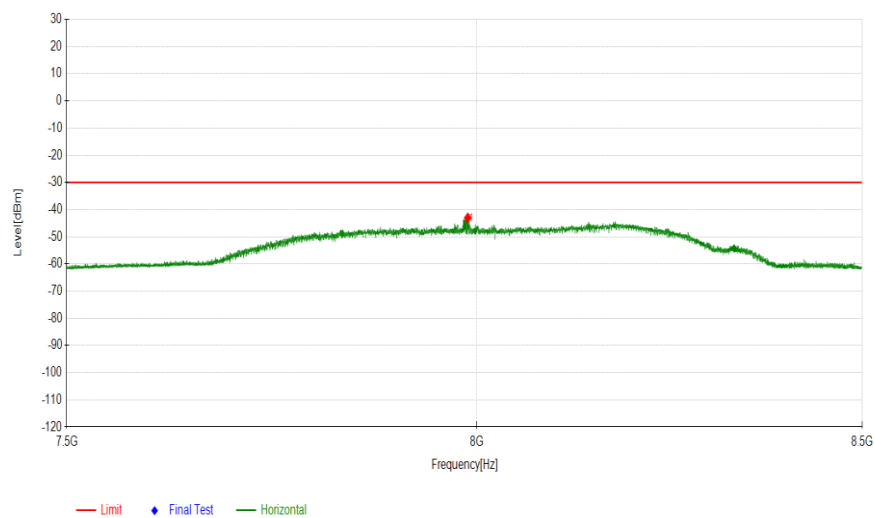
Date: 17.MAY.2025 09:19:57

## Appendix A.2: Test Results of Maximum Value of Mean Power Spectral Density

### Project Information

Product No:	GJWSZ2025-0230	EUT:	Smart Lock U400
Model:	DL-D06E	Sample No:	GJWSZ2025-0230
Mode:	PSD-1M	Voltage:	Battery operated
Environment:	Temp: 22°C; Humi:58%	Engineer:	LiuYuan
Remark:			

### Test Graph



### Suspected Data List

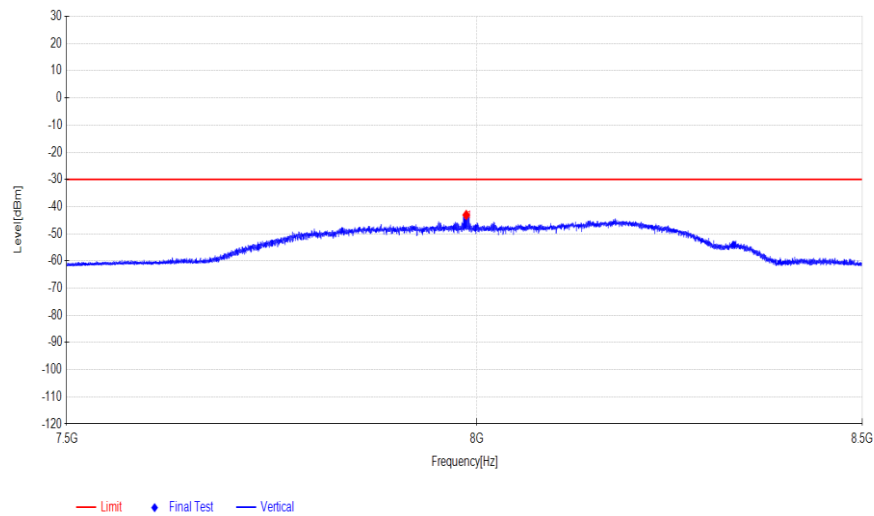
NO.	Freq. [MHz]	Reading [dBm/MHz]	Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	7988.6241	-61.72	-43.02	-41.3	1.72	18.70	13	150	Horizontal



## Project Information

Product No:	GJWSZ2025-0230	EUT:	Smart Lock U400
Model:	DL-D06E	Sample No:	GJWSZ2025-0230
Mode:	PSD-1M	Voltage:	Battery operated
Environment:	Temp: 22°C; Humi:58%	Engineer:	LiuYuan
Remark:			

## Test Graph



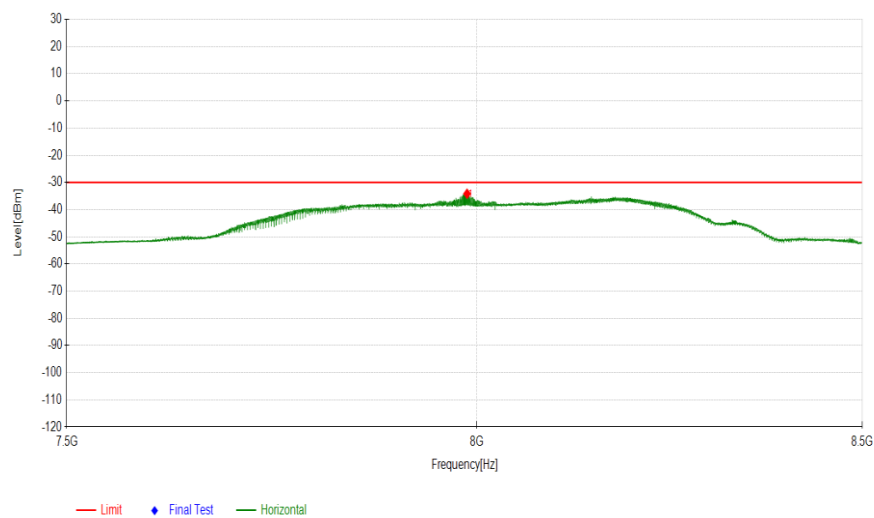
## Suspected Data List

NO.	Freq. [MHz]	Reading [dBm/MHz]	Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	7986.6239	-61.68	-43.08	-41.3	1.78	18.60	0	150	Vertical

### Appendix A.3: Test Results of Maximum value of peak power

Project Information			
Product No:	GJWSZ2025-0230	EUT:	Smart Lock U400
Model:	DL-D06E	Sample No:	GJWSZ2025-0230
Mode:	PSD-1M	Voltage:	Battery operated
Environment:	Temp: 22°C; Humi:58%	Engineer:	LiuYuan
Remark:	The Spectrum analyser RBW setting is 10MHz and the 50MHz correction factor is 13.98dB.		

#### Test Graph

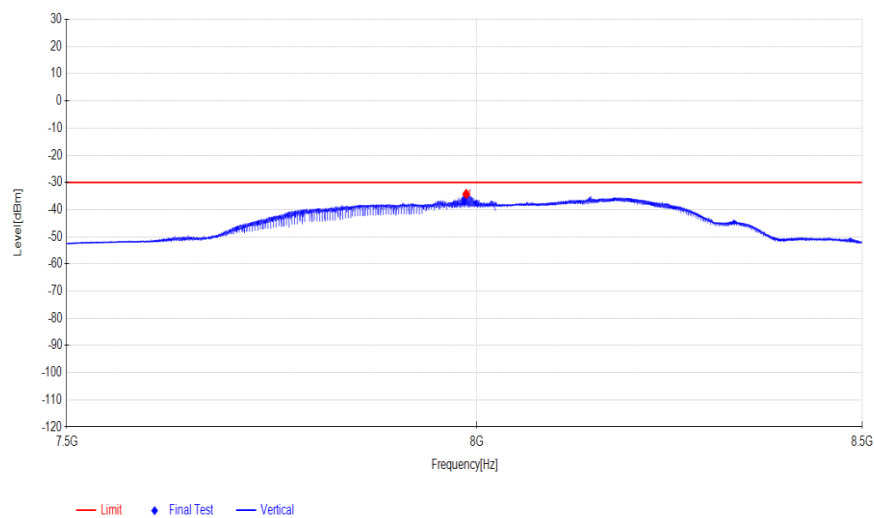


Suspected Data List										
N O	Freq. [MHz]	Reading [dBm]	Correction factor [dB]	Level [dBm/50MHz]	Limit [dBm/50MHz]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	7987.7073	-52.84	13.98	-20.16	0	20.16	18.70	12	150	Horizontal

## Project Information

Product No:	GJWSZ2025-0230	EUT:	Smart Lock U400
Model:	DL-D06E	Sample No:	GJWSZ2025-0230
Mode:	PSD-1M	Voltage:	Battery operated
Environment:	Temp: 22°C; Humi:58%	Engineer:	LiuYuan
Remark:	The Spectrum analyser RBW setting is 10MHz and the 50MHz correction factor is 13.98dB.		

## Test Graph

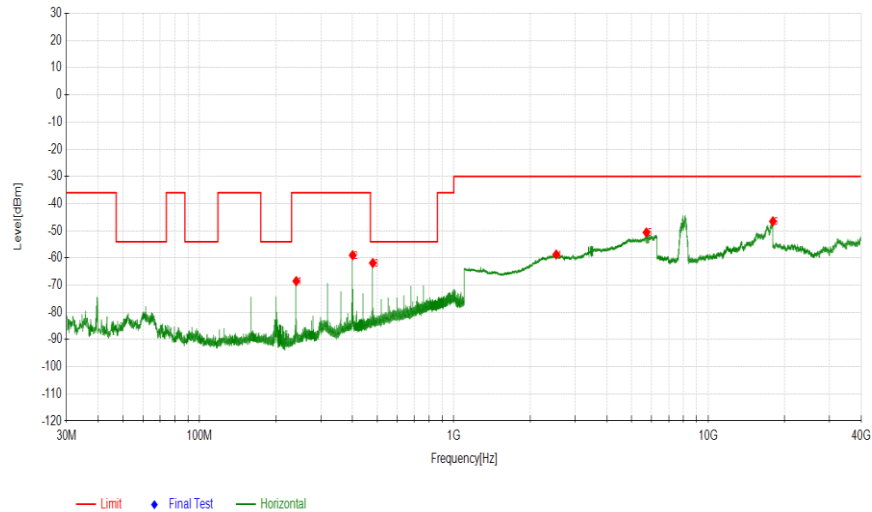


## Suspected Data List

N O	Freq. [MHz]	Reading [dBm]	Correction factor [dB]	Level [dBm/50MHz]	Limit [dBm/50MHz]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	7986.5405	-52.85	13.98	-20.27	0	20.27	18.60	12	150	Vertical

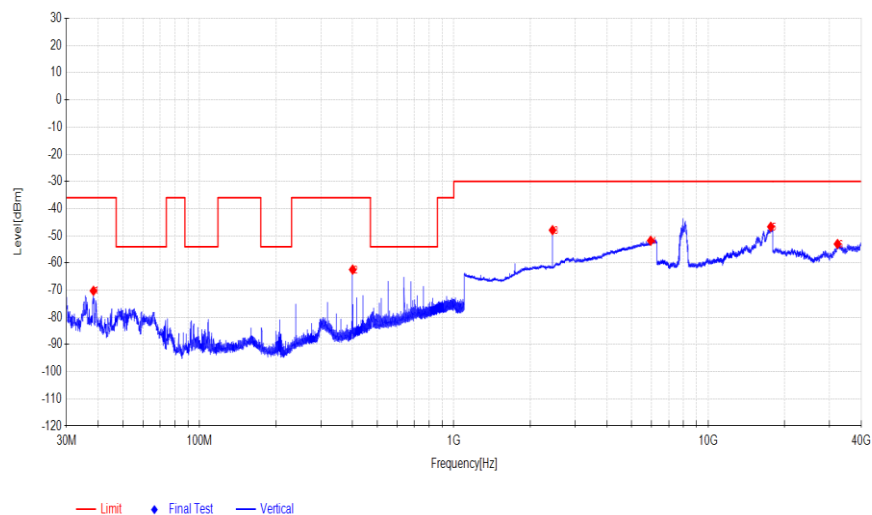
## Appendix A.4: Test Results of Other Emissions

Outer Panel, Tx



**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	239.9875	-92.14	-68.53	-36.00	32.53	23.61	75	150	Horizontal
2	400.006	-87.66	-58.97	-36.00	22.97	28.69	360	150	Horizontal
3	479.9885	-92.08	-61.86	-54.00	7.86	30.22	259	150	Horizontal
4	2526.7711	-69.47	-58.72	-30.00	28.72	10.75	321	150	Horizontal
5	5720.9702	-70.08	-50.62	-30.00	20.62	19.46	75	150	Horizontal
6	17992.1994	-80.08	-46.52	-30.00	16.52	33.56	357	150	Horizontal

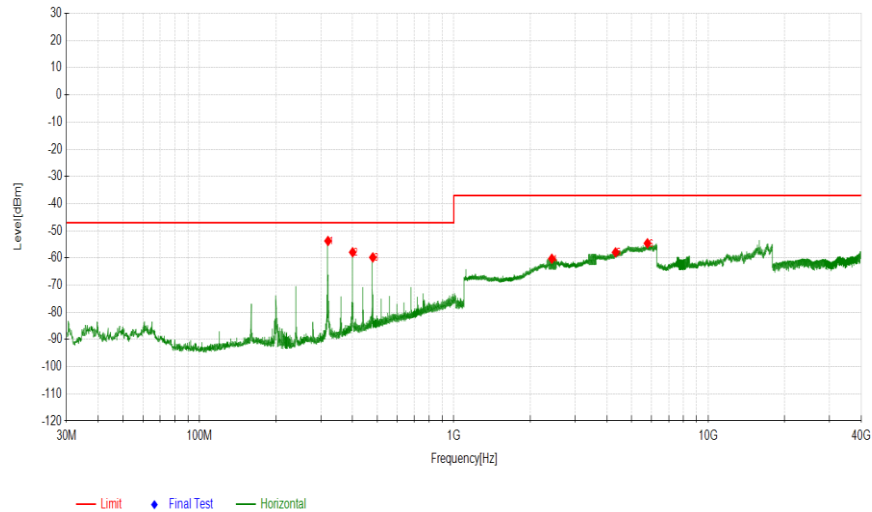


**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	38.239	-96.64	-70.24	-36.00	34.24	26.40	74	150	Vertical
2	400.006	-89.97	-62.43	-36.00	26.43	27.54	321	150	Vertical
3	2445.2909	-56.84	-47.92	-30.00	17.92	8.92	260	150	Vertical
4	5948.0747	-71.66	-51.79	-30.00	21.79	19.87	360	150	Vertical
5	17656.7714	-80.52	-46.67	-30.00	16.67	33.85	175	150	Vertical
6	32300	-58.01	-53.00	-30.00	23.00	5.01	360	150	Vertical

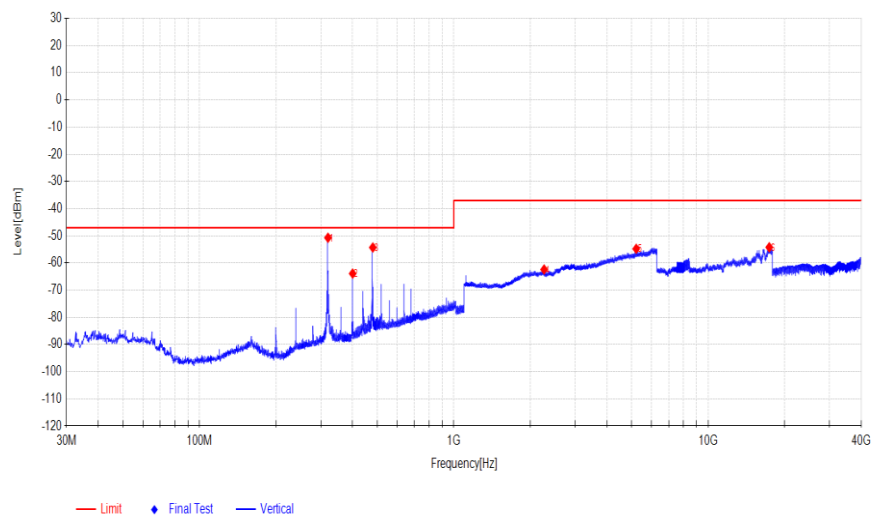
## Appendix A.5: Test Results of Receiver spurious emissions

Outer Panel, Rx



**Suspected Data List**

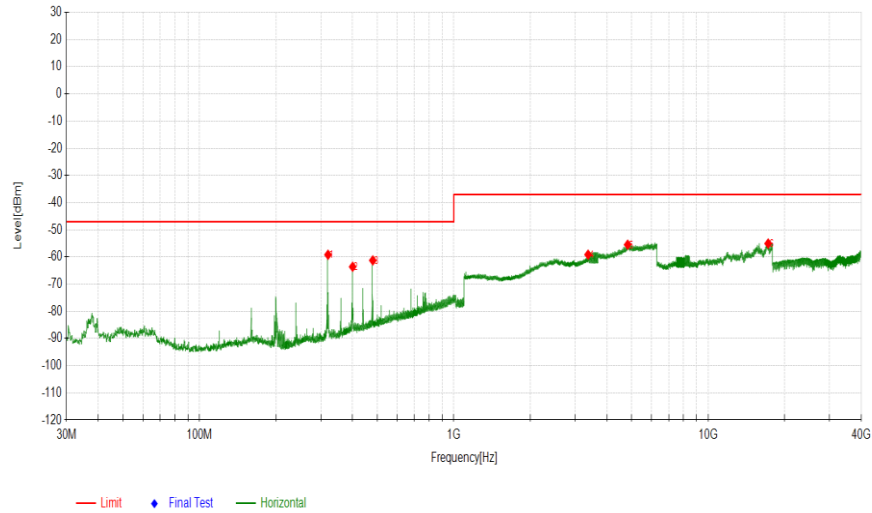
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	319.999	-80.17	-53.74	-47.00	6.74	26.43	319	150	Horizontal
2	399.936	-86.58	-57.89	-47.00	10.89	28.69	12	150	Horizontal
3	479.98	-90.00	-59.78	-47.00	12.78	30.22	73	150	Horizontal
4	2429.7065	-68.77	-60.26	-37.00	23.26	8.51	360	150	Horizontal
5	4325.4613	-70.00	-57.93	-37.00	20.93	12.07	319	150	Horizontal
6	5775.5538	-70.57	-54.60	-37.00	17.60	15.97	195	150	Horizontal



**Suspected Data List**

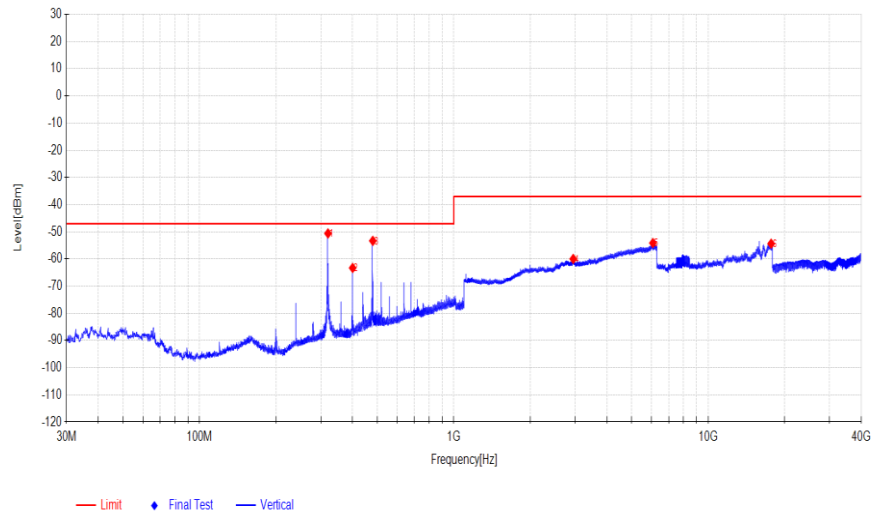
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	319.999	-77.51	-50.71	-47.00	3.71	26.80	360	150	Vertical
2	399.936	-91.42	-63.89	-47.00	16.89	27.53	136	150	Vertical
3	479.98	-85.05	-54.30	-47.00	7.30	30.75	259	150	Vertical
4	2264.5982	-68.68	-62.40	-37.00	25.40	6.28	74	150	Vertical
5	5216.2658	-69.60	-54.78	-37.00	17.78	14.82	360	150	Vertical
6	17405.0253	-87.57	-54.22	-37.00	17.22	33.35	174	150	Vertical

### Inner Panel, Rx



#### Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	319.999	-85.60	-59.17	-47.00	12.17	26.43	196	150	Horizontal
2	399.936	-92.29	-63.60	-47.00	16.60	28.69	360	150	Horizontal
3	479.98	-91.47	-61.25	-47.00	14.25	30.22	12	150	Horizontal
4	3374.3337	-68.94	-59.14	-37.00	22.14	9.80	73	150	Horizontal
5	4826.7663	-70.12	-55.47	-37.00	18.47	14.65	73	150	Horizontal
6	17233.6117	-87.69	-55.05	-37.00	18.05	32.64	176	150	Horizontal



#### Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Height [cm]	Polarity
1	319.999	-77.39	-50.59	-47.00	3.59	26.80	12	150	Vertical
2	399.936	-90.83	-63.30	-47.00	16.30	27.53	135	150	Vertical
3	479.98	-84.07	-53.32	-47.00	6.32	30.75	319	150	Vertical
4	2948.9524	-68.72	-59.98	-37.00	22.98	8.74	195	150	Vertical
5	6066.2483	-71.10	-54.12	-37.00	17.12	16.98	72	150	Vertical
6	17708.6554	-88.58	-54.36	-37.00	17.36	34.22	0	150	Vertical

## **Appendix A.6: Test Results of Receiver interference handling**

- Receiver operating frequency range: 7749.5MHz -8306MHz
- Interferer test frequency range: 7549.5 Mhz -8506MHz
- Interferers: Strongest interferers within the interferer test frequency range as defined in ETSI TS 103 361 section 9.
- Test Result: Compliance. The device continues working as intended.